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09/881,597	06/14/2001	Alamgir Farouk	05288.00004	6419

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EXAMINER
ALAM, UZMA

ART UNIT	PAPER NUMBER
2157	

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

Office Action Summary	Application No.	Applicant(s)
	09/881,597	FAROUK, ALAMGIR
	Examiner	Art Unit	
	Uzma Alam	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *14 June 2001*.

2a)☐ This action is **FINAL**.　　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-31* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-31* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *14 June 2001* is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

This action is responsive to the application filed on June 14, 2001. Claims 1-31 are

pending. Claims 1-31 represent a method for presenting content based on the device description.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 11 and 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite

for failing to particularly point out and distinctly claim the subject matter which applicant

regards as the invention.

Claims 11 and 24 recite the limitation "member of the group" in claim 1. There is

insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-10, 12-14, 17-23, 25, 26, and 28-31 are rejected under 35 U.S.C. 102(e) as

being anticipated by Moore et al. US Patent No. 6,310,601. Moore discloses the invention as

claimed including a method to resize an image.

As per claim 1, Moore discloses a method for providing authored content, from device-independent content generated by a content author, to any of a plurality of requesting user network terminal devices, each requesting user network terminal device having means for delivering at least a portion of the authored content received, the presentation of authored content so delivered being dependent on feature values of the requesting network terminal device, said method comprising the steps of:

associating one or more of the device feature values with a requesting user network terminal device in response to said requesting user network terminal device transmitting a request for the authored content (requesting a document and sending device features with the document; column 4, lines 52-67; column 5, lines 1-18); and

converting the device-independent content into a device-specific content adapted to said requesting user network terminal device, such that said device-specific content provides for a display on said requesting user network terminal device in a format as intended by the content author (converting the image to a size displayable on the client without changing the intended use of the content; column 4, lines 36-60; column 5, lines 41-65; column 7, lines 1-19).

As per claim 2, Moore discloses the method of claim 1 further comprising the step of specifying a feature-value set for the plurality of user network terminal devices, said feature-value set including a set of selected device features with one or more discrete feature values assigned to each said selected device feature, each said selected device feature selected from the features of the plurality of user network terminal devices in accordance with a pre-established criterion (setting features on a device to be modified; column 4, lines 20-60).

As per claim 3, Moore discloses the method of claim 2 wherein said set of selected device features comprises a member of the group consisting of display size, aspect ratio, display line count, color capability, graphics capability, variable size text capability, different font capability, input capability, and input bandwidth (column 3, lines 44-53; column 4, lines 33-35; column 4, lines 52-55; column 5, lines 35-40; column 5, lines 46-50).

As per claim 4, Moore discloses the method of claim 2 wherein said pre-established criterion includes a determination that a particular said selected device feature affects the manner in which the authored content is presented (the device decides how the content is presented; column 4, lines 36-60).

As per claim 5, Moore discloses the method of claim 2 wherein said feature value set comprises discrete values assigned to selected features of a generic network terminal device (setting discrete values for the features of a device; column 4, lines 19-35).

As per claim 6, Moore discloses the method of claim 5 wherein said generic network terminal device comprises a set of device features selected from the display features of the plurality of user network terminal devices (column 4, lines 20-35; column 6, lines 1-29).

As per claim 7, Moore discloses the method of claim 1 further comprising the step of annotating the authored content with markup information to provide the device-independent

content, said markup information specifying intent of the content author for one or more

corresponding device feature values (column 3, lines 31-52; column 4, lines 20-60; column 5,

lines 1-18; column 6, lines 1-30).

As per claim 8, Moore discloses the method of claim 7 wherein said step of converting

the device-independent content comprises the step of invoking said markup information

corresponding to the device feature values associated with said requesting user network terminal

device (column 4, lines 20-60).

As per claim 9, Moore discloses the method of claim 7 wherein said step of converting

the device-independent content comprises the step of removing said markup information from

said device-independent content (column 6, lines 30-53; column 7, lines 1-41).

As per claim 10, Moore discloses the method of claim 7 wherein said step of annotating

the authored content comprises the steps of:

identifying that content in said authored content which requires author annotation

(column 3, lines 33-67; column 4, lines 1-36); and

embedding meta-data into said content requiring author annotation, said meta-data based

on the feature values (column 4, lines 36-60).

As per claim 12, Moore discloses the method of claim 1 further comprising the step of identifying said requesting user network terminal device prior to said step of associating one or more of the device feature display values (column 4, lines 36-60; column 7, lines 1-19).

As per claim 13, Moore discloses the method of claim 12 wherein said step of identifying said requesting user network terminal device comprises the step of reading network terminal device information contained in said request (column 4, lines 36-60; column 5, line 1-18; column 6, lines 30-53; column 7, lines 1-19).

As per claim 14, Moore discloses the method of claim 1 wherein said step of converting the device independent content comprises the steps of:

determining the array of display pixels available in said requesting user network terminal device from the feature values (column 4, lines 52-60; column 5, lines 19-25);

comparing said array of display pixels with an array of image pixels corresponding to an authored content image (column 5, lines 24-30);

selecting said authored content image for display in said requesting user network terminal device if said array of image pixels does not exceed said array of display pixels (column 4, lines 33-60; column 5, lines 29-33); and

suppressing said authored content image from display if said array of image pixels does exceed said array of display pixels (column 6, lines 30-54).

As per claim 17, Moore discloses the method of claim 1 wherein said step of converting the device independent content comprises the steps of:

determining that said authored content is marked as having a bi-axially free form characteristic (column 5, lines 19-25);

identifying the character count supported by a display in said requesting user network terminal device (column 5, lines 24-30);

sending to said requesting user network terminal device a segment of authored content, wherein the character count in said segment corresponds to said character count supported by said display (column 4, lines 33-60; column 5, lines 29-33).

As per claim 18, Moore discloses a communication system for providing authored content to any of a plurality of requesting user network terminal devices, each requesting user network terminal device having means for delivering at least a portion of the authored content received, the presentation of authored content so delivered being dependent on features of the requesting user network terminal device, said communication system comprising:

a network terminal device detector for receiving a display request from the requesting user network terminal device and providing therefrom identification of the requesting user network terminal device (requesting a document and sending device features with the document; column 4, lines 52-67; column 5, lines 1-18);

an origin server for receiving said display request and, in response thereto, providing device-independent content corresponding to said display request (converting the image to a size displayable on the client without changing the intended use of the content; column 4, lines 36-60; column 5, lines 41-65; column 7, lines 1-19);

a transformer for associating one or more user network terminal device feature values

with said requesting user network terminal device in response to receiving said user network

terminal device identification from said terminal device detector, for receiving said device-

independent content from said origin server, and for transforming said device-independent

content into device-specific content formatted for the requesting user network terminal device

(converting the image to a size displayable on the client without changing the intended use of the

content; column 4, lines 36-60; column 5, lines 41-65; column 7, lines 1-19).

As per claim 19, Moore discloses the communication system of claim 18 wherein said

device-independent content comprises markup information providing information for displaying

said authored content in compliance with author intent (column 3, lines 31-52; column 4, lines

20-60; column 5, lines 1-18; column 6, lines 1-30).

As per claim 20, Moore discloses the communication system of claim 18 further

comprising a device profile repository accessible by said network terminal device detector, said

device profile repository including a feature-value set for the requesting user network terminal

device, said feature-value set including a set of selected user network terminal device features

with one or more discrete device feature values assigned to each said selected user network

terminal device feature (setting features on a device to be modified; column 4, lines 20-60).

As per claim 21, Moore discloses the communication system of claim 18 further

comprising a content repository accessible by said origin server, said content repository for

storing annotated authored content generated by the content author whereby said origin server

provides device-independent content from said annotated authored content (column 3, lines 31-

52; column 4, lines 20-60; column 5, lines 1-18; column 6, lines 1-30).

As per claim 22, Moore discloses the communication system of claim 18 wherein each

said selected user network terminal device feature is selected from the features of the plurality of

requesting user network terminal devices in accordance with a pre-established criterion (setting

features on a device to be modified; column 4, lines 20-60).

As per claim 23, Moore discloses the communication system of claim 18 wherein said set

of selected device features comprises a member of the group consisting of display size, aspect

ratio, display line count, color capability, graphics capability, variable size text capability,

different font capability, and input capability (column 3, lines 44-53; column 4, lines 33-35;

column 4, lines 52-55; column 5, lines 35-40; column 5, lines 46-50).

As per claim 25, Moore discloses a method of presenting content to a terminal device

having particular display characteristics, said method comprising the steps of:

receiving a request for content from the terminal device (requesting a document and

sending device features with the document; column 4, lines 52-67; column 5, lines 1-18);

based on said request, identifying display characteristics associated with the terminal

device (requesting a document and sending device features with the document; column 4, lines

52-67; column 5, lines 1-18);

converting the content into a device-dependent format compatible with said identified

display characteristics (converting the image to a size displayable on the client without changing

the intended use of the content; column 4, lines 36-60; column 5, lines 41-65; column 7, lines 1-

19); and

transmitting said device-dependent formatted content to the terminal device (converting

the image to a size displayable on the client without changing the intended use of the content;

column 4, lines 36-60; column 5, lines 41-65; column 7, lines 1-19).

As per claim 26, Moore discloses the method of claim 25 wherein said step of converting

comprises the step of converting the content by interpreting metatags embedded in the content

(column 3, lines 33-67; column 4, lines 1-60).

As per claim 28, Moore discloses the method of claim 25 wherein said step of converting

comprises the step of converting the content into a first aspect ratio if the terminal device has

said first aspect ratio, and converting the content into a second aspect ratio of the terminal device

has said second aspect ratio (column 4, lines 30-60; column 5, lines 19-25).

As per claim 29, Moore discloses the method of claim 25 wherein said step of converting

comprises the step of converting the content into a small-sized image if the terminal device

accommodates only small-sized images, and converting the content into a large-sized image if

the terminal device accommodates large-sized images (setting features on a device to be

modified; column 4, lines 20-60; column 5, lines 19-30).

As per claim 30, Moore discloses the method of claim 25 further comprising the step of annotating the content with meta-data to indicate the manner in which portions of the content should be represented on a plurality of different terminal devices, the terminal devices having mutually incompatible display characteristics (column 3, lines 33-67; column 4, lines 1-60).

As per claim 31, Moore discloses the method of claim 25 wherein said step of converting comprises the step of performing a best-fit match between said display characteristics and one of a plurality of display formats (column 7, lines 1-41).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 11 and 24 rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. US Patent No. 6,310,601 in view of Britton et al. US Patent No. 6,654,814. Britton discloses the invention as claimed including a method for tailoring content for a device (see abstract).

Moore discloses the method of claims 1 and 18 wherein said requesting user network terminal device can be of any hardware or software capability. See column 3, lines 19-31.

Moore does not disclose that the device comprises a member of the group consisting of a

wireless telephone and a personal digital assistant. Britton discloses a wireless telephone and a

PDA. See column 2, lines 1-14. It would have been obvious to a person of ordinary skill in the

art at the time of the invention to combine wireless telephone and PDA of Britton with various

hardwares of Moore. A person of ordinary skill in the art would have been motivated to do this

to increase mobility.

Claims 15 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moore

et al. US Patent No. 6, 310,601 in view of Rohrabaugh et al. US Patent Publication No.

2002/0091738. Rohrabaugh discloses the invention as claimed including a resolution

independent vector display of Internet content (see abstract).

As per claim 15, Moore discloses the method of claim 1 wherein said step of converting

the device independent content comprises the steps of:

determining an aspect ratio for said requesting user network terminal device from the

feature values (column 4, lines 36-60; column 5, lines 19-25)

sending authored content marked with an attribute of square to said requesting user

network terminal device if said aspect ratio is square (column 4, lines 30-33). Moore does not

explicitly disclose sending authored content marked with an attribute of portrait to said

requesting user network terminal device if said aspect ratio is portrait; and

sending authored content marked with an attribute of landscape to said requesting user

network terminal device if said aspect ratio is landscape.

Rohrabaugh discloses sending authored content marked with an attribute of portrait to

said requesting user network terminal device if said aspect ratio is portrait (paragraph 0102); and

sending authored content marked with an attribute of landscape to said requesting user network terminal device if said aspect ratio is landscape (paragraph 0102).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the display of the aspect ratio of Moore with the portrait and landscape display of Rohrabaugh. A person of ordinary skill in the art would have been motivated to do this to format content specifically for a particular user device.

As per claim 27, Moore discloses the method of claim 25. Moore does not disclose wherein said step of converting comprises the step of converting the content into a landscape formatted display format if the terminal device has a landscape-formatted display, and converting the content into a portrait- formatted display format if the terminal device has a portrait-formatted display. Rohrabaugh discloses converting to a portrait or landscape formatted display. See paragraph 0102. It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the display of the aspect ratio of Moore with the portrait and landscape display of Rohrabaugh. A person of ordinary skill in the art would have been motivated to do this to format content specifically for a particular user device.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. US Patent No. 6,310,601 in view of Lo et al. US Patent No. 6,523,040. Lo discloses the invention as claimed including displaying content to a user with specific preferences.

Moore discloses the method of claim 1 wherein said step of converting the device independent content comprises the steps of:

determining that said authored content is marked as having a uni-axis free form

characteristic (column 4, lines 52-60; column 5, lines 19-25).

Moore does not explicitly disclose identifying the number of segments supported by the

display in said requesting user network terminal device;

concatenating a number of rows for sending to said requesting user network terminal

device if said uni-axis free form characteristic includes a list characteristic, wherein said number

of rows corresponds to said number of segments supported; and

concatenating a number of columns for sending to said requesting user network terminal

device if said uni-axis free form characteristic includes a column characteristic, wherein said

number of columns corresponds to said number of segments supported.

Lo discloses a method comprising:

identifying the number of segments supported by the display in said requesting user

network terminal device (column 6, lines 46-67; column 7, lines 1-35);

concatenating a number of rows for sending to said requesting user network terminal

device if said uni-axis free form characteristic includes a list characteristic, wherein said number

of rows corresponds to said number of segments supported (column 6, lines 46-67; column 7,

lines 1-35); and

concatenating a number of columns for sending to said requesting user network terminal

device if said uni-axis free form characteristic includes a column characteristic, wherein said

number of columns corresponds to said number of segments supported (column 6, lines 46-67;

column 7, lines 1-35).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the viewing of of Moore with the concatenating of Lo. A person of ordinary skill in the art would have been motivated to do this to allow the user to view the content properly.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Thomas US Patent No. 6,128,663

Balasubraminium US Patent No. 6,359,633

Kikinis US Patent No. 5,727,159

Lee US Patent No. 6,658,167

Chadda US Patent No. 6,345,293

Courts et al. US Patent No. 6,360,249

Datta US Patent No. 6,622,168

Subramonian US Patent No. 6,701,362

Himmel US Patent No. 6,167,441

Mogul et al. US Patent No. 6,243761

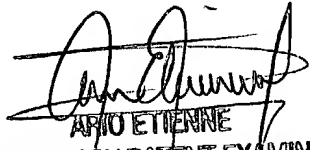Moore et al. US Patent No. 6,310,601

Dedrick US Patent No. 5,712,923

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uzma Alam whose telephone number is (703) 305-8420. The examiner can normally be reached on Monday-Tuesday 11:30am-8pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (703) 308 - 7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ua

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